3031

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO.	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	3031	038	04	28	76	28AI	3526	7526

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0008	16	17	13	027	Y	N	17

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
3	PC	RK	E	FT	070	—	09	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	02106	—	—	00382

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3H4	3L1			PO	DO
START	35°26′	75°26′	1152	4830	8		0833	0834
							PU	ON
FINISH	35°27′	75°24′	1170	4829	8		0904	0908

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200/2/5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

1 Atlantic Sturgeon

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5' 3½" 88 lb.

2250
+150
+ Sturgeon

Stores B00765

28AI

R/V DAN MOORE SPECIES LIST

STA. NO. 3031 DATE April 28 1976 BIOLOGISTS BFH JVS GK

TOT. CATCH WT. 2488.1 AIR 13 SURFACE 15.9 BOTTOM 17.0

SAMPLE WT. 50.0 RAISING FACTOR $\frac{2044.5}{50.0} = 40.89$

Dur 752 B00766
1116

♀ 44 lb
standard 4' 8"

SPECIES	C or NC	SUBSAMPLE NUMBER	SUBSAMPLE WEIGHT	TOTAL NO.	TOTAL WT.	$\bar{X}$ WT	REMARKS
Leiostomus xanthurus	NC	108	18	4416	736	0.2	♀ = 54
Cynoscion regalis	C	44	18	1799	736	0.4	
	NC	22	6	900	245.3	0.3	
Micropogon undulatus	C	2	0.6	82	24.5	0.3	
	NC	3	0.4	123	16.4	0.1	
Leiurus fasciatus		9	2.3	368	94.0	0.3	
Paralichthys dentatus	NC	6	1.0	245	41.0	0.2	
Paralichthys dentatus				3	0.5	0.2	1 238 ♀ I 2 222 ♂? 3 235 ♂?
Peprilus triacanthus	NC	10	1.3	409	53.2	0.1	
Gymnura altavela				8	(300)	37.5	
Carcharhinus milberti				1	44	44	
Menticirrhus americanus	NC	3	0.4	123	16.4	0.1	
Morone pealei	C	2	0.2	82	(8.2)	0.1	
Myliobatis freminvillii		1	1.8	41	(73.6)	1.8	
Sciaenops ocellata				1	11	11	
Acipenser oxyrhynchus				1	88	88	

3H4	3L1	35 26	75 26
1152	4830	35 27	75 24
1170	4829		

18½ NW Diamond Shoal Light Tower

Species: *Paralichthys dentatus*.

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Bacteriology	Age	Gonad Stage	Station Number	Remarks
1	238	♀						I	3031	Grid 28AI
2	222	♂								Area II
3	235	♂								

Length-frequency distribution

AREA I

Species *Paralichthys dentatus*

Station: 3031
Grid 28AI

Date: April 28, 1976

Locality:

T.L.	♂	♀	COMBINED
100 - 109.9			
110 -			
120 -			
130 -			
140 -			
150 -			
160 -			
170 -			
180 -			
190 -			
200 -			
210 -			
220 -	1		1
230 -	1	1	2
240 -	2	1	3
250 -			
260 -			
270 -			
280 -			
290 -			
300 -			
310 -			
320 -			
330 -			
340 -			
350 -			
360 -			
370 -			
380 -			
390 -			
400 -			
410 -			
420 -			
430 -			
440 -			
450 -			
460 -			
470 -			
480 -			
490 -			
500 -			
510 -			
520 -			
530 -			
540 -			
550 -			
560 -			
570 -			
580 -			
590 -			

T.L.		
600 -		
610 -		
620 -		
630 -		
640 -		
650 -		
660 -		
670 -		
680 -		
690 -		
700 -		
710 -		
720 -		RANGE
730 -		
740 -	♂	222 - 235
750 -		
	♀	238

Sheet ___ of ___

Species: *Acipenser oxyrhynchus*

Specimen Number	F.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1	5'3½"								3031	tagged sturgeon

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 3031 — Tot. Fish Captured 1

Date April 28, 1976 — Tot. Fish Tagged 1

Area of Release 8½ mi NW of Diamond Shoal Light Tower — No. Retained for analysis 0

LORAN Start 3H4 1152 (35° 26') 3U 4830 (75° 26') — Gear Type # 41 Yankee

Finish 3H4 1170 (35° 27') 3U 4829 (75° 24°)

TAG. NO.	Weight Lbs.	Weight Ozs.	F.L. (~~cm~~)	Species	Remarks
B00765	88	0	5' 3.5"	A. oxyrhynchus	

~~ANADROMOUS~~ FISH TAGGING & RELEASE DATA

Station No. 3031 Tot. Fish Captured 1

Date April 28, 1976 Tot. Fish Tagged 1

Area of Release 8½ miles NW of Diamond Shoals Light Tower No. Retained for analysis 0

LORAN Start 3H4 1152 (35° 26') 3L1 4830 (75° 26°) Gear Type #41 YANKee

Finish 3H4 1170 (35° 27') 3L1 4829 (75° 24°)

TAG. NO.	Weight Lbs.	Weight Ozs.	~~F~~.L. (cm)	Species	Remarks
B00766	11	0	752	S. ocellata	